

## Instrument for Trace Gas Measurements

Completed Technology Project (2012 - 2013)



## Project Introduction

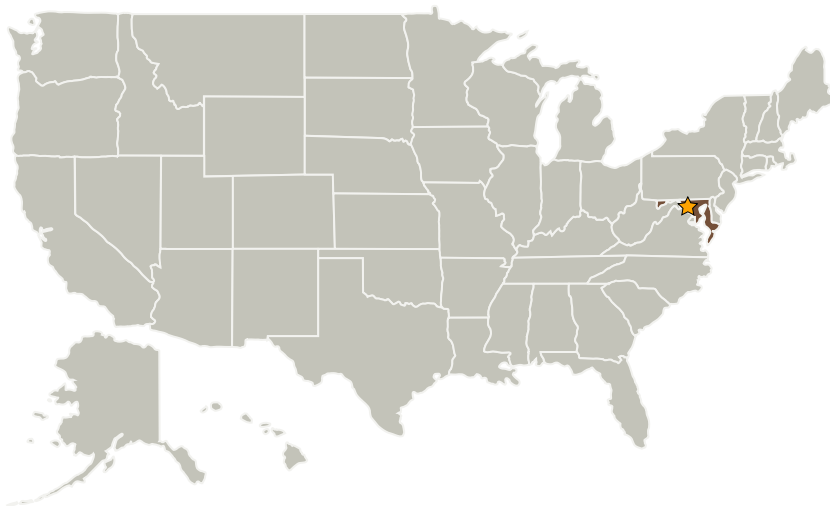
The Instrument for Trace Gas Measurements project provides early stage work to enable measurements of trace gases in planetary environments.

The Instrument for Trace Gas Measurements will provide advances in situ measurement instrumentation for planetary atmospheres and surfaces.

## Anticipated Benefits

This effort would ultimately further promote instrumentation for trace gas measurements.

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Goddard Space Flight Center (GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland

## Primary U.S. Work Locations

Maryland



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## Organizational Responsibility

## Responsible Mission Directorate:

Mission Support Directorate (MSD)

## Lead Center / Facility:

Goddard Space Flight Center (GSFC)

## Responsible Program:

Center Independent Research &amp; Development: GSFC IRAD

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## Project Management

**Program Manager:**

Peter M Hughes

**Project Manager:**

Brook Lakew

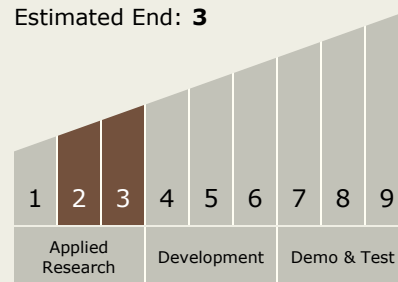
**Principal Investigator:**

Jennifer C Stern

## Technology Maturity (TRL)

Start: **2**

Estimated End: **3**



## Technology Areas

**Primary:**

- TX08 Sensors and Instruments
  - └ TX08.3 In-Situ Instruments and Sensors
    - └ TX08.3.2 Atomic and Molecular Species Assessment